

Title (en)

COATING COMPOSITIONS AND PROCESS FOR PRODUCTION THEREOF

Title (de)

BESCHICHTUNGSZUSAMMENSETZUNGEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

PRÉPARATIONS POUR TRAITEMENTS DE SURFACE ET PROCÉDÉ DE FABRICATION DESDITES PRÉPARATIONS

Publication

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Application

EP 05793800 A 20051006

Priority

- JP 2005018827 W 20051006
- JP 2004295751 A 20041008

Abstract (en)

A process for producing a composition comprising (A) a metal oxide sol containing an amine compound, such as diisopropylamine, (B) a polycondensable silicon compound having an epoxy group, such as ³-glycidoxypropyltrimethoxysilane, and (C) a curing catalyst such as tris(2,4-pentanedionato)aluminum (III), the process comprising the steps of: mixing the component (A) with the component (B) at a temperature of 10°C or higher and lower than 40°C for 6 hours or longer; and mixing the obtained mixture with the above component (C). There is provided a process for producing the coating composition to provide a hard coat which has excellent adhesion, scratch resistance, solvent resistance and weatherability when it is applied to the surface of a synthetic resin lens and is free from fine holes or depressions on the surface, particularly a hard coat having a high refractive index.

IPC 8 full level

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CPC (source: EP US)

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